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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

April 17, 1981



Docket No. 50-219
LS05-81-04-015

Mr. I. R. Finfrock, Jr.
Vice President
Jersey Central Power & Light Company
Post Office Box 388
Forked River, New Jersey 08731

Dear Mr. Finfrock:

SUBJECT: NUREG-0737, ITEM II.K.3.19, INTERLOCK ON RECIRCULATION PUMP
LOOPS

Your letter dated April 3, 1981, requested an extension in the completion date for the above cited NUREG-0737 item from July 1, 1981 until December 1, 1981. Your letter indicated that a human factors review performed at the request of your Plant Operations Review Committee concluded that the design of the system you intended to install during the April 1981 maintenance outage may cause some confusion because of the complexity of the control room displays. You indicated that your request for the extension is to incorporate the human factors review findings into the final modification.

Your letter further indicates that you have already made physical and administrative changes to achieve the goal of this NUREG item. These changes include the addition of hinged plastic covers over all recirculation loop inlet and discharge valve operators, prominently displayed warning signs on each plastic cover, changes to all applicable plant procedures, and the incorporation of a safety limit in the Technical Specifications requiring at least two recirculation loops be maintained unisolated. Further, you stated that all licensed control room operators will receive refresher training in the applicable procedures during the April 1981 maintenance outage.

We believe that the steps you are taking are consistent with the role of human factors engineering learned from the TMI-2 accident. We also find that the compensatory measures you have taken provide reasonable assurance that all the recirculation loops will not be isolated during the five-month delay you have requested. Accordingly, we approve your request to defer the installation of the recirculation pump loop interlocks until the December 1981 refueling outage.

Sincerely,

Dennis M. Crutchfield

Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

cc
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Mr. I. R. Finfrack, Jr.

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cc

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